

M/S 409

OCT 14 1983

Mr. Lawrence Chadzynski, M.P.H.
Director, Spokane County Health District
West 1101 College Avenue
Spokane, Washington 99201

Dear Larry:

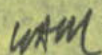
We were also somewhat surprised to learn that the Green Acres Landfill area was a candidate for Super Fund attention. As it turns out the interest is tentative because the current budget contains no money for the Green Acres site. However, there is a possibility that supplemental funds will become available during FY84. If funds do become available, some Super Fund activity at Green Acres might occur during the third or fourth quarter of FY84.

The information you sent earlier has been incorporated with the observations Mr. Fuentes made during his visit on August 18 to develop the study approach contained in the attached memo. If you have any information which would allow refinement of this study plan we would be happy to include it.

Samples collected on July 26, 1983 indicate the level of contamination in the (b) (6) well remains about the same. Two other nearby wells (CID #38 and Liberty Lake Sewer #1) were apparently not contaminated on that date. A copy of these data is also attached.

I trust that the enclosed material will be of assistance to you in reporting to the Board of Health.

Sincerely,



William A. Mullen, Chief
Drinking Water Programs Branch

Attachments

USEPA SF



1443719

Spokane County Health District

West 1101 College Avenue Spokane, Washington 99201



*Samy
Please prepare
a response
by 10/14
Bill*

October 6, 1983

Mr. William A. Mullen
EPA - Region 10
1200 Sixth Avenue
Seattle, Washington 98101

RECEIVED

OCT 11 1983

EPA-DWTPB

Dear Mr. Mullen:

It was with great surprise that we read in the Spokane Chronicle newspaper on September 1, 1983, that the Jeffers' well contamination problem was a candidate for EPA's Super Fund.

In this regard, the Spokane County Health District Board of Health inquired about the matter at its September monthly meeting. I have been asked to report to the Board on this issue at the October 20, 1983, meeting.

Please recall that I sent to you information about well locations, landfill location, etc., at your request and have had no feedback as to sampling strategy, plan, or a next course of action.

I look forward to hearing from you on this matter at your earliest convenience considerate of my October 20th report request to the Board.

On a related issue, Mr. Fuentes of your staff was in Spokane on August 18, 1983, to visit the (b) (6) well area. He came, he saw, he went, and I didn't have a chance to meet or see him and I have no knowledge of his assessment. Mr. Byram, of my staff, who accompanied him had little to say about the visit. Would you please let me know what his findings were?

Thank you. I look forward to seeing you again soon. Oh yes! Thanks for allowing Roy Jones to represent your office at the Washington State Public Health Association Annual Conference. Mr. Jones was very helpful.

Sincerely,

ENVIRONMENTAL HEALTH DIVISION

Lawrence Chadzynski
Lawrence Chadzynski, M.P.H.
Director

sl

c:	Dr. Luther	Administration	456-3630	Personal Health	456-3613	Environmental Health	456-6040
	D. Kroll	Clinic	456-3640	Vital Statistics	456-3670	Laboratory	456-3667

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: OCT 14 1983

SUBJECT: Proposed Study of the Green Acres Landfill, Spokane, WA.

FROM:

Rene Fuentes



TO:

William Mullen, Chief
Drinking Water Protection Branch

The data available from the (b) (6) well has confirmed ground water contamination with synthetic organics. No other information or data is available on the well, the immediate area around the well, or the landfill, therefore, the following suggestions are based only on personal observations during my visit.

The most logical source for the contamination is the Carlson Hill area, upgradient from the well, where the abandoned landfill, the racetrack, and the ski lodge are located (see attached map). I assume that the landfill was located in a small canyon or depression in the hill, which has since been filled and leveled. During my visit with Denny Byram, we did not see any other potential sources east of the (b) (6) well, which is the only other upgradient location from the well.

Due to the lack of information on the landfill, the racetrack, and the (b) (6) well, some monitoring wells will probably have to be drilled to determine the source of the contamination. Based on the assumed geology and the assumed previous topography, I have proposed several locations for monitoring wells. The reasons for the locations of the wells (see attached map) are as follows:

1. Well(s) between the (b) (6) well and landfill to determine if contamination is coming from the direction of the landfill (well location 1).
2. Well(s) upgradient of landfill to determine if the water quality changes above the landfill. If the water upgradient of the landfill is also contaminated, a well upgradient of the racetrack may be necessary to determine whether the racetrack is the source (well locations 2 and 3).
3. If the well(s) between the (b) (6) well and the landfill are clean, then a well east-northeast of the (b) (6) well may be necessary to attempt to identify other possible sources. This will require more careful planning if the primary suspect sources are shown to be clean (well numbers 4 and 5).

The estimated rate for drilling monitoring wells is about \$40 to \$50 per foot, based on estimates available for the Colbert landfill and wells installed in the Tacoma area. Obviously, the total cost will depend on the depth of each well and the total number of wells needed. Based on the reported depth of the (b) (6) well, 185 feet, the cost for wells 1, 4, and 5 will be approximately \$9000 for each well. For wells 2 and 3 more information on the depth to ground water and subsurface geology is required in order to estimate the cost.

The cost for the laboratory analyses will depend on the number of samples taken, the frequency with which the wells are sampled, and the analyses done on the samples. It is impossible to predict the total cost for the analyses at this time, but it will probably be a significant amount.

